

Title (en)

BATTERY MODULE HAVING VENTING HOLE TERMINAL, AND BATTERY PACK AND VEHICLE INCLUDING SAME

Title (de)

BATTERIEMODUL MIT ENTLÜFTUNGSLOCHANSCHLUSS UND BATTERIESATZ UND FAHRZEUG DAMIT

Title (fr)

MODULE DE BATTERIE AYANT UNE BORNE DE TROU D'AÉRATION, ET BLOC-BATTERIE ET VÉHICULE LE COMPRENANT

Publication

EP 4096006 A4 20231122 (EN)

Application

EP 21842474 A 20210713

Priority

- KR 20200086932 A 20200714
- KR 2021008995 W 20210713

Abstract (en)

[origin: EP4096006A1] A battery module according to an embodiment of the present disclosure includes: a cell stack including a plurality of battery cells that are electrically connected to one another; a module housing accommodating the cell stack therein and including a pair of module holes formed in one surface; and a pair of venting hole terminals each including terminal hole communicating with the module hole, and electrically connected to the cell stack.

IPC 8 full level

H01M 50/308 (2021.01); **H01M 50/20** (2021.01); **H01M 50/35** (2021.01); **H01M 50/367** (2021.01); **H01M 50/502** (2021.01); **H01M 50/503** (2021.01); **H01M 50/553** (2021.01); **H01M 50/578** (2021.01)

CPC (source: EP KR US)

H01M 50/20 (2021.01 - KR); **H01M 50/207** (2021.01 - EP); **H01M 50/308** (2021.01 - KR US); **H01M 50/35** (2021.01 - KR); **H01M 50/367** (2021.01 - EP); **H01M 50/502** (2021.01 - KR); **H01M 50/503** (2021.01 - EP); **H01M 50/505** (2021.01 - US); **H01M 50/547** (2021.01 - US); **H01M 50/553** (2021.01 - EP); **H01M 50/578** (2021.01 - KR); **H01M 2200/20** (2013.01 - KR); **H01M 2220/20** (2013.01 - KR US); **Y02E 60/10** (2013.01 - EP KR)

Citation (search report)

- [E] EP 4156397 A1 20230329 - LG ENERGY SOLUTION LTD [KR]
- [X] WO 2011081334 A2 20110707 - ROUTE JD INC, et al
- [X] US 2019372083 A1 20191205 - RYU JAE-UK [KR], et al
- [X] KR 20150065964 A 20150616 - SK INNOVATION CO LTD [KR]
- [A] EP 3376557 A1 20180919 - LG CHEMICAL LTD [KR]
- [A] EP 2445032 A1 20120425 - SB LIMOTIVE CO LTD [KR]
- [A] US 2019273243 A1 20190905 - MOTOKAWA SHINYA [JP], et al
- See references of WO 2022015030A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 4096006 A1 20221130; **EP 4096006 A4 20231122**; CN 114730956 A 20220708; JP 2022553998 A 20221227; JP 7405966 B2 20231226; KR 20220008784 A 20220121; US 2022416358 A1 20221229; WO 2022015030 A1 20220120

DOCDB simple family (application)

EP 21842474 A 20210713; CN 202180006431 A 20210713; JP 2022524680 A 20210713; KR 2021008995 W 20210713; KR 20210091795 A 20210713; US 202117778949 A 20210713